



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shannon Roberts et al.                      Art Unit : 1642  
Serial No. : 09/974,760                                      Examiner :  
Filed : October 9, 2001  
Title : LOVE VARIANT REGULATOR MOLECULES

Commissioner for Patents  
Washington, D.C. 20231

REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b), Microbia, Inc., a corporation, certifies that it is the assignee of 100% of the right, title and interest in the patent application identified above by virtue of:

☒ An assignment from the inventors of the patent application identified above. The assignment was filed with the Patent and Trademark Office on March 18, 2002 (copy enclosed).

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

December 24, 2002  
Date of Deposit

Carrie A. Amonte  
Signature

Carrie A. Amonte  
Typed or Printed Name of Person Signing Certificate

Applicant : Shannon Roberts et al.  
Serial No. : 09/974,760  
Filed : October 9, 2001  
Page : 2

Attorney's Docket No.: 14184-009001

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints:

Anita L. Meiklejohn, Ph.D.  
Reg. No. 35,283  
FISH & RICHARDSON P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

The undersigned, acting on behalf of the assignee, hereby revokes all powers of attorney previously granted in the application and appoints the practitioners at Customer Number, with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

**All correspondence regarding the application should be sent to:**

Anita L. Meiklejohn, Ph.D.  
FISH & RICHARDSON P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804

**Please note the new attorney docket number for this application listed above.**


Applicant : Shannon Roberts et al.  
Serial No. : 09/974,760  
Filed : October 9, 2001  
Page : 3

Attorney's Docket No.: 14184-009001

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

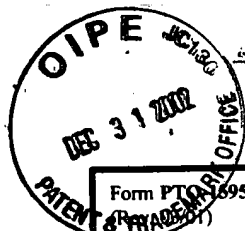
Respectfully submitted,

Date: 11/6/02

  
\_\_\_\_\_  
PETER HECHT

Title: CHIEF EXECUTIVE OFFICER

Fish & Richardson P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804  
Telephone: (617) 542-5070  
Facsimile: (617) 542-8906



Form PTO-1695

(Rev. 10/2001)

## RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

## PATENTS ONLY

OMB No. 0651-0027 (exp. 5/31/2002)

Tab settings ⇌ ⇌ ⇌ ▼ ▼ ▼ ▼ ▼ ▼ ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Shannon Roberts  
Amir Sherman  
Joshua Truehart  
G. Todd MilneAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: March 17, 2002

## 2. Name and address of receiving party(ies)

Name: Microbia, Inc.

Internal Address: \_\_\_\_\_

Street Address: One Kendall Square  
Building 1400WCity: Cambridge State: MA Zip: 02139Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s) \_\_\_\_\_

09/974,760

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Wayne A. Keown, Ph.D.

Internal Address: \_\_\_\_\_

Street Address: 500 West Cummings Park  
Suite 2900City: Woburn State: MA Zip: 018016. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

DO NOT USE THIS SPACE

## 9. Signature.

Wayne A. Keown

Name of Person Signing

W. A. Keown

Signature

3/18/02

Date

Total number of pages including cover sheet, attachments, and documents: 7Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

**ASSIGNMENT**

**WHEREAS** we, Shannon Roberts, being a citizen of the United States of America and residing at One Kendall Square, Building 1400W, Cambridge, Massachusetts 02139; Amir Sherman, being a citizen of Israel and residing at Shai Agnon-15, Jerusalem, Israel; Joshua Trueheart, being a citizen of the United States of America and residing at 172 Annursnac Hill Road, Concord, Massachusetts 01742; G. Todd Milne, being a citizen of the United States of America and residing at 169 Mason Terrace, Brookline, Massachusetts 02446, are inventors of certain new and useful inventions and discoveries, for which we have made an application for Letters Patent entitled **lovE VARIANT REGULATOR MOLECULES** which application was filed in the United States Patent and Trademark Office on October 09, 2001, and assigned Serial Number 09/974,760; and

**WHEREAS** Microbia, Inc., a corporation existing under the laws of the State of Delaware, whose address is One Kendall Square, Building 1400W, Cambridge, Massachusetts 02139, which together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited;

**NOW THEREFORE**, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer and convey to ASSIGNEE the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters

# ASSIGNMENT

Page 2

Patent, reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments throughout the world to issue or transfer all said Letters Patent to ASSIGNEE as ASSIGNEE of the entire right, title and interest therein or otherwise as ASSIGNEE may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same, or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to ASSIGNEE without encumbrance;
5. Bind our heirs, legal representatives and assigns, as well as ourselves, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patents shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns as if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications and oaths, and all assignments, disclaimers and lawful affidavits in form and

ASSIGNMENT

Page 3

substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to me relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said invention and discoveries.

**IN TESTIMONY WHEREOF, we have hereunto set our hands and seals.**

Date: March 12, 2002

Shannon Roberts

Shannon Roberts

Then personally appeared before me this 12<sup>th</sup> day of March, 2002, the above named Shannon Roberts who acknowledged the execution of the foregoing instrument to be her free act and deed.

Marian Rafferty  
Notary Public

My Commission Expires August 9, 2002

Date: \_\_\_\_\_

\_\_\_\_\_  
Amir Sherman

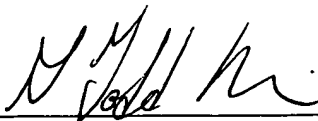
Then personally appeared before me this \_\_\_\_\_ day of \_\_\_\_\_, 2002, the above named Amir Sherman who acknowledged the execution of the foregoing instrument to be his free act and deed.

\_\_\_\_\_  
Notary Public

ASSIGNMENT

Page 4

Date: 3/12/02

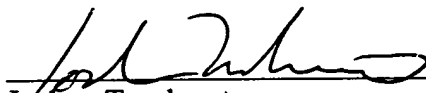
  
G. Todd Milne

Then personally appeared before me this 12<sup>th</sup> day of March, 2002,  
the above named G. Todd Milne who acknowledged the execution of the foregoing  
instrument to be his free act and deed.

  
Notary Public

My Commission Expires August 9, 2002

Date: March 12 02

  
Joshua Trueheart

Then personally appeared before me this 12<sup>th</sup> day of March, 2002,  
the above named Joshua Trueheart who acknowledged the execution of the foregoing  
instrument to be his free act and deed.

  
Notary Public

My Commission Expires August 9, 2002



ASSIGNMENT  
Page 3

substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to me relating to said inventions and discoveries or the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said invention and discoveries.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seals.

Date: \_\_\_\_\_

Shannon Roberts

Then personally appeared before me this \_\_\_\_\_ day of \_\_\_\_\_, 2002, the above named Shannon Roberts who acknowledged the execution of the foregoing instrument to be her free act and deed.

Notary Public

Date: 17.3.02

A. Sherman  
Amir Sherman

Then personally appeared before me this \_\_\_\_\_ day of \_\_\_\_\_, 2002, the above named Amir Sherman who acknowledged the execution of the foregoing instrument to be his free act and deed.

Notary Public



Form No. 11/2002

טופס מס' 11/2002

AUTHENTICATUON OF SIGNATURE

אימות חתימה

I the undersigned, Arie Abramson,

אני הח"מ אריה אברמזון,

Notary at Jerusalem, Israel,

נוטריון בירושלים ישראל,

hereby certify that on 17/3/2002  
appeared before me at my Office at 6  
Shmuel Hanagid st. Jerusalem:

מאשר כי ביום 17/3/2002 ניצב לפני  
במשרדי ברח' שמואל הנגיד 6  
בירושלים:

Mr. **SHERMAN AMIR** whose identity  
was proved to me by Identity Booklet  
No: **02611275-5** issued by Ministry  
Of the Interior of the state of Israel at  
Jerusalem on 24/03/1991,

מר **שרמן עמיר** שהזוהה הוכחה לי  
על פי תז. מס' **02611275-5**  
שניתנה מאת משרד הפנים  
בירושלים ביום 24/03/1991,

and signed of his own free will the  
above document (the attached  
document marked "1-17") (the  
document overleaf),

וחתם מרצונו החופשי על המסמך  
שלעיל (המצורף והמסומן במס'  
"1-17" שמעבר לדף).

In witness whereof I hereby  
authenticate the signature of Mr.  
**SHERMAN AMIR**

ולראיה הנני מאמת את חתימתו של  
מר **שרמן עמיר** הנ"ל

By my own signature and seal,

בחתימת ידי ובחותמי,

today 17/3/2002

היום 17/3/2002

IL 828 Fees Paid

שכר טרחה בסך 828 ש"ח שולם

